

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/580,076
Source: TEWP
Date Processed by STIC: 05/31/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 05/31/2006

PATENT APPLICATION: US/10/580,076

TIME: 13:56:01

Input Set: A:\S8764.000062.txt

Output Set: N:\CRF4\05312006\J580076.raw

3 <110> APPLICANT: Bayer BioScience N.V.
 4 D'Halluin, Kathleen
 5 Vanderstraeten, Chantal
 6 Ruiter, Rene
 8 <120> TITLE OF INVENTION: Improved targeted DNA insertion in plants
 10 <130> FILE REFERENCE: BCS 03-2007 WO1
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/580,076
 C--> 12 <141> CURRENT FILING DATE: 2006-05-18
 12 <150> PRIOR APPLICATION NUMBER: EP 03078700.6
 13 <151> PRIOR FILING DATE: 2003-11-18
 15 <160> NUMBER OF SEQ ID NOS: 7
 17 <170> SOFTWARE: PatentIn version 3.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 244
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Saccharomyces cerevisiae
 24 <400> SEQUENCE: 1
 26 Met Ala Lys Pro Pro Lys Lys Lys Arg Lys Val Asn Ile Lys Lys Asn
 27 1 5 10 15
 29 Gln Val Met Asn Leu Gly Pro Asn Ser Lys Leu Leu Lys Glu Tyr Lys
 30 20 25 30
 32 Ser Gln Leu Ile Glu Leu Asn Ile Glu Gln Phe Glu Ala Gly Ile Gly
 33 35 40 45
 35 Leu Ile Leu Gly Asp Ala Tyr Ile Arg Ser Arg Asp Glu Gly Lys Thr
 36 50 55 60
 38 Tyr Cys Met Gln Phe Glu Trp Lys Asn Lys Ala Tyr Met Asp His Val
 39 65 70 75 80
 41 Cys Leu Leu Tyr Asp Gln Trp Val Leu Ser Pro Pro His Lys Lys Glu
 42 85 90 95
 44 Arg Val Asn His Leu Gly Asn Leu Val Ile Thr Trp Gly Ala Gln Thr
 45 100 105 110
 47 Phe Lys His Gln Ala Phe Asn Lys Leu Ala Asn Leu Phe Ile Val Asn
 48 115 120 125
 50 Asn Lys Lys Thr Ile Pro Asn Asn Leu Val Glu Asn Tyr Leu Thr Pro
 51 130 135 140
 53 Met Ser Leu Ala Tyr Trp Phe Met Asp Asp Gly Gly Lys Trp Asp Tyr
 54 145 150 155 160
 56 Asn Lys Asn Ser Thr Asn Lys Ser Ile Val Leu Asn Thr Gln Ser Phe
 57 165 170 175
 59 Thr Phe Glu Glu Val Glu Tyr Leu Val Lys Gly Leu Arg Asn Lys Phe
 60 180 185 190
 62 Gln Leu Asn Cys Tyr Val Lys Ile Asn Lys Asn Lys Pro Ile Ile Tyr
 63 195 200 205

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65 Ile Asp Ser Met Ser Tyr Leu Ile Phe Tyr Asn Leu Ile Lys Pro Tyr

66 210 215 220

68 Leu Ile Pro Gln Met Met Tyr Lys Leu Pro Asn Thr Ile Ser Ser Glu

69 225 230 235 240

71 Thr Phe Leu Lys

74 <210> SEQ ID NO: 2

75 <211> LENGTH: 732

76 <212> TYPE: DNA

77 <213> ORGANISM: Artificial

79 <220> FEATURE:

80 <223> OTHER INFORMATION: synthetic DNA sequence encoding I-SceI (UIPAC code)

82 <220> FEATURE:

83 <221> NAME/KEY: misc_feature

84 <222> LOCATION: (6)..(6)

85 <223> OTHER INFORMATION: N=A,G,C or T

88 <220> FEATURE:

89 <221> NAME/KEY: variation

90 <222> LOCATION: (25)..(27)

91 <223> OTHER INFORMATION: AGR

94 <220> FEATURE:

95 <221> NAME/KEY: variation

96 <222> LOCATION: (61)..(63)

97 <223> OTHER INFORMATION: TTR

100 <220> FEATURE:

101 <221> NAME/KEY: variation

102 <222> LOCATION: (73)..(75)

103 <223> OTHER INFORMATION: AGY

106 <220> FEATURE:

107 <221> NAME/KEY: variation

108 <222> LOCATION: (79)..(81)

109 <223> OTHER INFORMATION: TTR

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113 <221> NAME/KEY: variation

114 <222> LOCATION: (82)..(84)

115 <223> OTHER INFORMATION: TTR

118 <220> FEATURE:

119 <221> NAME/KEY: variation

120 <222> LOCATION: (97)..(99)

121 <223> OTHER INFORMATION: AGY

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125 <221> NAME/KEY: variation

126 <222> LOCATION: (103)..(105)

127 <223> OTHER INFORMATION: TTR

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131 <221> NAME/KEY: variation

132 <222> LOCATION: (112)..(114)

133 <223> OTHER INFORMATION: TTR

136 <220> FEATURE:

137 <221> NAME/KEY: variation

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Input Set : A:\58764.000062.txt

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150 <222> LOCATION: (169)..(171)
151 <223> OTHER INFORMATION: AGR
154 <220> FEATURE:
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156 <222> LOCATION: (172)..(174)
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162 <222> LOCATION: (175)..(177)
163 <223> OTHER INFORMATION: AGR
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167 <221> NAME/KEY: variation
168 <222> LOCATION: (244)..(246)
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173 <221> NAME/KEY: variation
174 <222> LOCATION: (247)..(249)
175 <223> OTHER INFORMATION: TTR
178 <220> FEATURE:
179 <221> NAME/KEY: variation
180 <222> LOCATION: (265)..(267)
181 <223> OTHER INFORMATION: TTR
184 <220> FEATURE:
185 <221> NAME/KEY: variation
186 <222> LOCATION: (268)..(270)
187 <223> OTHER INFORMATION: AGY
190 <220> FEATURE:
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192 <222> LOCATION: (289)..(291)
193 <223> OTHER INFORMATION: AGR
196 <220> FEATURE:
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198 <222> LOCATION: (301)..(303)
199 <223> OTHER INFORMATION: TTR
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204 <222> LOCATION: (310)..(312)
205 <223> OTHER INFORMATION: TTR
208 <220> FEATURE:
209 <221> NAME/KEY: variation
210 <222> LOCATION: (361)..(363)

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Input Set : A:\58764.000062.txt

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211 <223> OTHER INFORMATION: TTR
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228 <222> LOCATION: (424)..(426)
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233 <221> NAME/KEY: variation
234 <222> LOCATION: (436)..(438)
235 <223> OTHER INFORMATION: AGY
238 <220> FEATURE:
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240 <222> LOCATION: (439)..(441)
241 <223> OTHER INFORMATION: TTR
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245 <221> NAME/KEY: variation
246 <222> LOCATION: (490)..(492)
247 <223> OTHER INFORMATION: AGY
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251 <221> NAME/KEY: variation
252 <222> LOCATION: (502)..(504)
253 <223> OTHER INFORMATION: AGY
256 <220> FEATURE:
257 <221> NAME/KEY: variation
258 <222> LOCATION: (511)..(513)
259 <223> OTHER INFORMATION: TTR
262 <220> FEATURE:
263 <221> NAME/KEY: variation
264 <222> LOCATION: (523)..(525)
265 <223> OTHER INFORMATION: AGY
268 <220> FEATURE:
269 <221> NAME/KEY: variation
270 <222> LOCATION: (550)..(552)
271 <223> OTHER INFORMATION: TTR
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275 <221> NAME/KEY: variation
276 <222> LOCATION: (562)..(564)
277 <223> OTHER INFORMATION: TTR
280 <220> FEATURE:
281 <221> NAME/KEY: variation
282 <222> LOCATION: (565)..(567)
283 <223> OTHER INFORMATION: AGR

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DATE: 05/31/2006

PATENT APPLICATION: US/10/580,076

TIME: 13:56:01

Input Set : A:\58764.000062.txt

Output Set : N:\CRF4\05312006\J580076.raw

286 <220> FEATURE:
287 <221> NAME/KEY: variation
288 <222> LOCATION: (580)..(582)
289 <223> OTHER INFORMATION: TTR
292 <220> FEATURE:
293 <221> NAME/KEY: variation
294 <222> LOCATION: (631)..(633)
295 <223> OTHER INFORMATION: AGY
298 <220> FEATURE:
299 <221> NAME/KEY: variation
300 <222> LOCATION: (637)..(639)
301 <223> OTHER INFORMATION: AGY
304 <220> FEATURE:
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306 <222> LOCATION: (643)..(645)
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311 <221> NAME/KEY: variation
312 <222> LOCATION: (658)..(660)
313 <223> OTHER INFORMATION: TTR
316 <220> FEATURE:
317 <221> NAME/KEY: variation
318 <222> LOCATION: (673)..(675)
319 <223> OTHER INFORMATION: TTR
322 <220> FEATURE:
323 <221> NAME/KEY: variation
324 <222> LOCATION: (697)..(699)
325 <223> OTHER INFORMATION: TTR
328 <220> FEATURE:
329 <221> NAME/KEY: variation
330 <222> LOCATION: (712)..(714)
331 <223> OTHER INFORMATION: AGY
334 <220> FEATURE:
335 <221> NAME/KEY: variation
336 <222> LOCATION: (715)..(717)
337 <223> OTHER INFORMATION: AGY
340 <220> FEATURE:
341 <221> NAME/KEY: variation
342 <222> LOCATION: (727)..(729)
343 <223> OTHER INFORMATION: TTR
346 <220> FEATURE:
347 <221> NAME/KEY: misc_feature
348 <222> LOCATION: (12)..(12)
349 <223> OTHER INFORMATION: N = A, G, C or T
352 <220> FEATURE:
353 <221> NAME/KEY: misc_feature
354 <222> LOCATION: (15)..(15)
355 <223> OTHER INFORMATION: N = A, G, C or T
358 <220> FEATURE:

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/580,076

DATE: 05/31/2006

TIME: 13:56:02

Input Set : A:\58764.000062.txt

Output Set: N:\CRF4\05312006\J580076.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0

L:913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:60

L:915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:120

L:917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:180

L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:240

L:921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:300

L:923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:360

L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:420

L:927 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:480

L:929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:540

L:931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:600

L:933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:660

L:935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:720

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